

CETONI Ultra High Pressure Module

Flow Performance

Syringe	Volume stroke [mm]	Parameter			Pressure max. [Bar/psi]
		Flow rate min. [nl/min]	Recommended pulse free limit [µl/min]	Flow rate max. [ml/min]	
10 ml	127,21	12,0	10,8	61,4	890 / 13000
25 ml	124,20	30,9	27,8	158	345 / 5003
75 ml	121,71	95,4	85,8	486	110 / 1595
100 ml	124,24	124	111	631	85 / 1232
250 ml	127,25	302	272	1540	35 / 507

Materials and Ports

Fluid ports	7/16"-20UNF female with pipe fitting to ¼" tube and optional reducing pipe fitting to 1/8" tube
Wetted materials	Syringe body: 316L steel / Hastelloy, Syringe O-ring version: PEEK, FKM / EPDM / FFKM Syringe plain seal ring version: PTFE

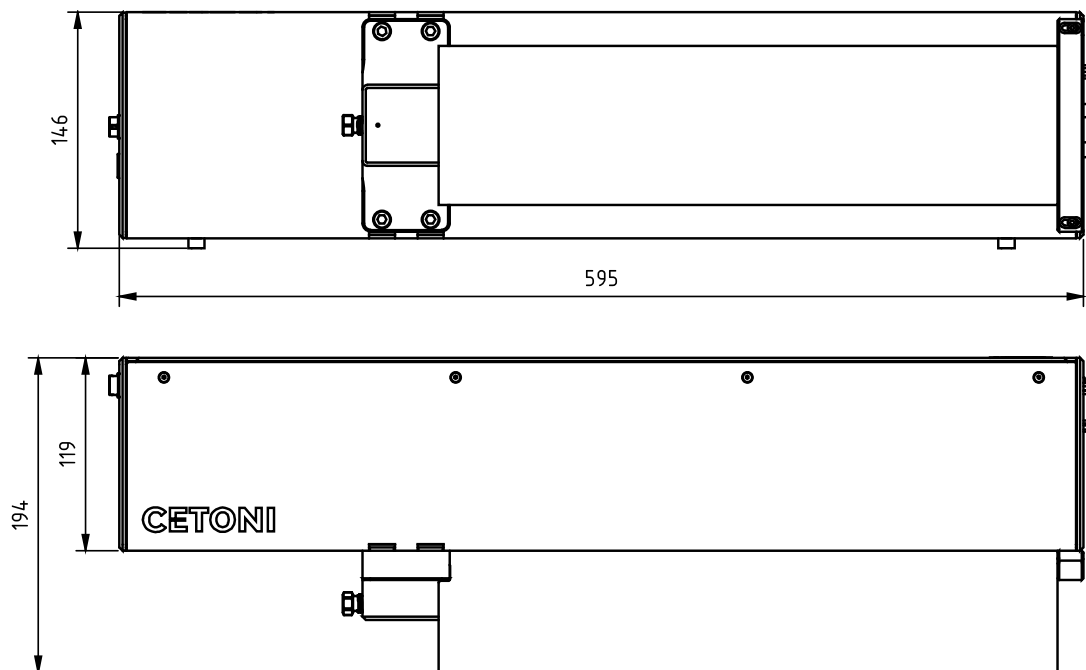
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Performance Data

Pusher velocity max.	13 mm/s
Pusher velocity min.	2,564 nm/s
Pusher travel min.	76,923 nm
Pusher force max.	7000 N
Travel range max.	135 mm

Mechanical Data

Weight	19 kg
Dimensions [L x W x H]	595 x 194 x 146 mm



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Environmental Data

Operating temperature	0 – 45 °C
Storage temperature	-40 – 85 °C
Operating humidity	20 – 80 % (non-condensing)
Storage humidity	20 – 80 % (non-condensing)

Interfaces

CAN	1 Mbit/s max.
RS232	115200 bit/s max.
USB	with USB-CAN module
I/O (for valve and pressure sensor)	12 bit

Electrical Data

Power supply voltage	48 V DC
Peak power consumption	240 W